

YUXUAN HU

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EDUCATION

University of Chicago Chicago, IL	Sep 2024 - Expected Jun 2026
Master of Public Policy (Specializing in Data Analysis) STEM GPA 3.8	
Coursework: Machine Learning; Deep Learning; Statistics; Microeconomics; International Trade	
School of the Art Institute of Chicago Chicago, IL	Sep 2021 – Dec 2023
MFA in Art and Technology GPA 4.0	
Coursework: Modern Philosophy; Art History	
Loyola Marymount University Los Angeles, CA	Sep 2017 – Dec 2020
BA in Film & TV Production GPA 3.7	

PROJECTS & LEADERSHIP

Food Image Classification and Recommendation Enhancement	Chicago, IL
Data Scientist	Jan 2025 - Feb 2025
<ul style="list-style-type: none">Developed a CNN-based image classification model to reduce menu item misidentification in food delivery platforms; achieved ~97% training accuracy using Pytorch, improving item tagging precision and downstream recommendation qualityExplored anomaly detection, ensemble models, and decision trees (CHAID, CART), enhancing model interpretability and robustness in structured and unstructured data tasks	
Harris Community Action	Chicago, IL
Group Leader	Sep 2024 - Feb 2025
<ul style="list-style-type: none">Led a cross-functional team to assess a youth arts nonprofit's impact using Python for EDA, regression, and visualization; analyzed demographic data from 77 neighborhoods and delivered a 10-page report with actionable insightsFacilitated weekly data team syncs, defined project milestones with stakeholders, and led midterm/final presentations to deliver analytical findings and recommendations	
Corporate Tax Evasion Prediction for Smarter Audit Targeting	Chicago, IL
Data Analyst	Jan 2025 - Feb 2025
<ul style="list-style-type: none">Developed a predictive pipeline to identify and prevent corporate tax evasion by flagging high-risk firms using government audit records; cleaned and structured 1,000+ records using SQL and Python to enable scalable modelingBuilt and tuned machine learning models (KNN, random forest, linear probability model), achieving over 96% accuracy in predicting non-compliant firms; enabled risk-based audit targeting and data-driven enforcement	
Data Analysis on Wage Returns Prediction	Chicago, IL
Data Analyst	Jan 2025 - Feb 2025
<ul style="list-style-type: none">Collected and cleaned 10,000+ ACS (American Community Survey) records to explore how different variables affect wage return; implemented systematic data cleaning, feature engineering, and data management (Git version control)Performed hypothesis testing and generated descriptive statistics to find the key variables; employed and tuned machine learning models (random forest and SVM models) to predict future wage return; visualized the findings for effective communicationInformed policy briefs to expand college access based on the data insights	
Documentary About Homeless	Bonn, Germany
Director	Sep 2019 – Dec 2019
<ul style="list-style-type: none">Designed interview questions and conducted 10+ in-depth interviews with homeless men at a local shelter to uncover insights into their lived experiences and challengesDemonstrated commitment to understanding homelessness through hands-on volunteer work for two months, engaging in tasks such as cleaning and food distribution, built a strong foundation for future filming collaborationPremiered the documentary featuring Ben's story at the AIB Film Festival, followed by a screening at the Los Angeles Indie Film Festival, contributing to broader societal discussions and potentially influencing policy considerations	

EXPERIENCE

Deloitte	Beijing, China
Business Consulting Intern	Jun 2024 - Aug 2024
<ul style="list-style-type: none">Analyzed historical FDI inflow data to generate investment strategy recommendation; segmented 1700+ firms by region and sector using SQL; isolated high-performing clusters through comparative analysis and synthesized findings into an 8-page reportConducted survey-based analysis to improve satisfaction metrics; co-designed a 20-question survey, analyzed 50+ responses to identify top pain points, and presented data-driven insights to stakeholdersIdentified high-potential firms for strategic partnership through industry research; evaluated sector distribution and firm capabilities; filtered 110+ qualified firms used Excel/SQL and achieved an 80% participation rate in business matchmaking event	

SKILLS

Programming: Python (pandas, NumPy, statsmodels, scikit-learn), Pytorch, Java, SQL, R, Git, Microsoft Office